0092501 7263793 0952600

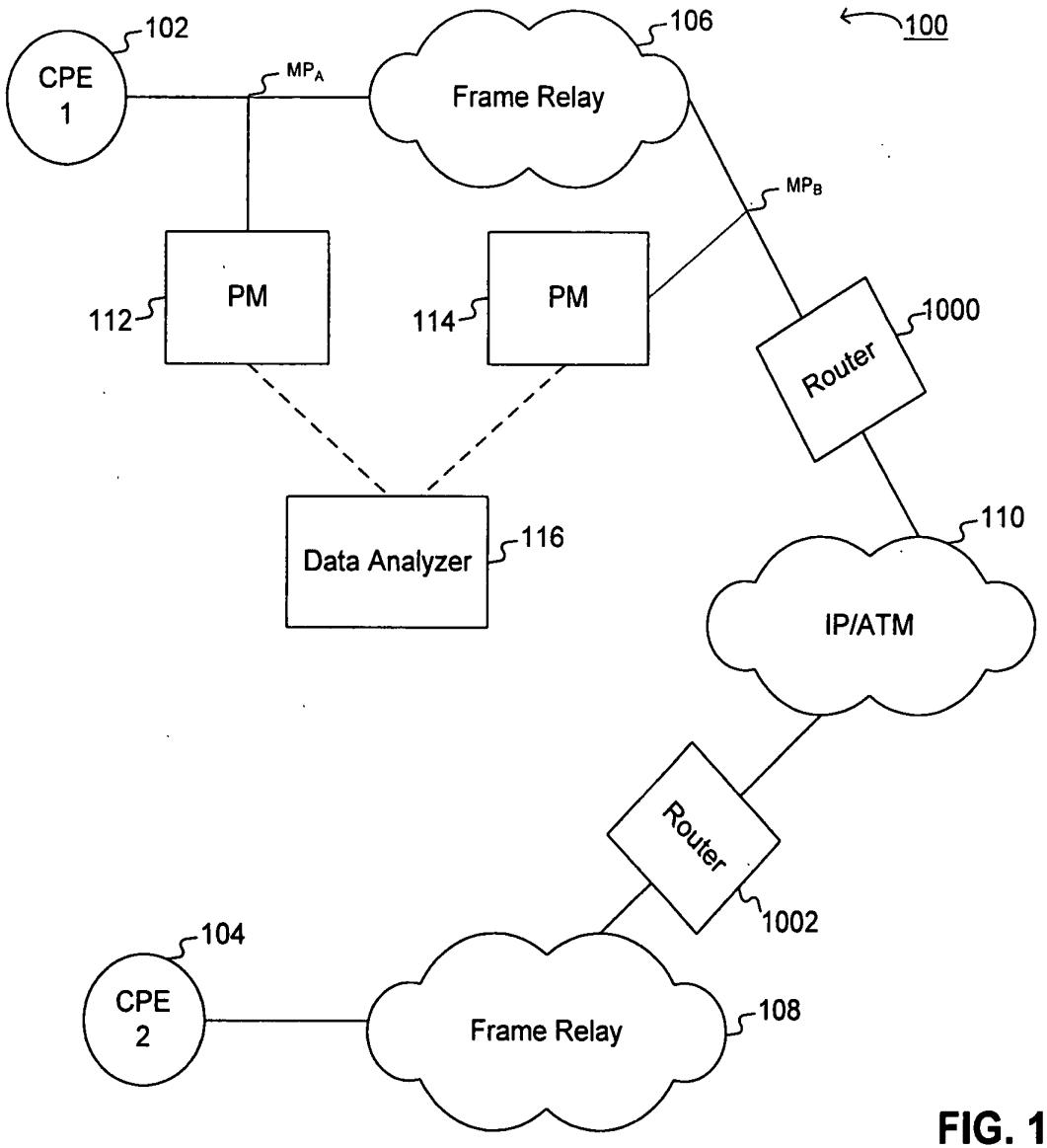

FIG. 1
PRIOR ART

APPROVED O.G. FIG.
BY
DRAFTSMAN CLASS/SUBCLASS

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

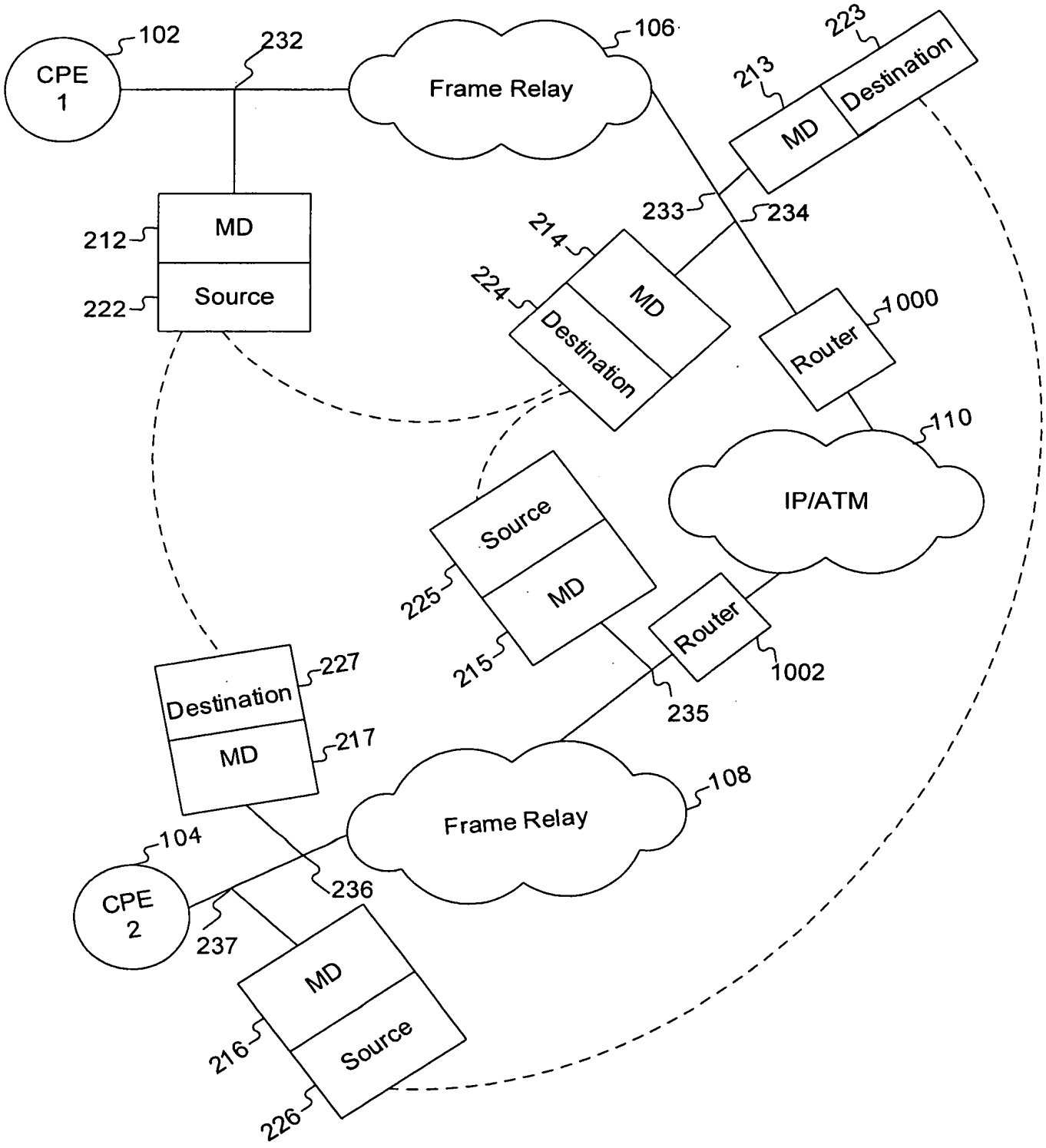

FIG. 2

200

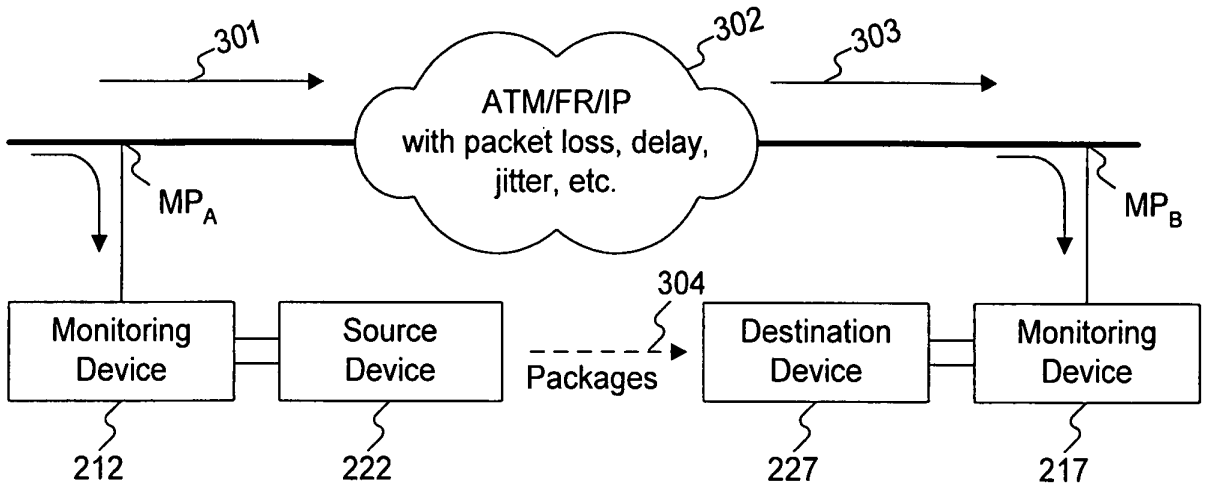
301
302
303
ATM/FR/IP
with packet loss, delay,
jitter, etc.
MP_A
MP_B
304
Monitoring Device
Source Device
Packages
Destination Device
Monitoring Device
212
222
227
217

FIG. 3

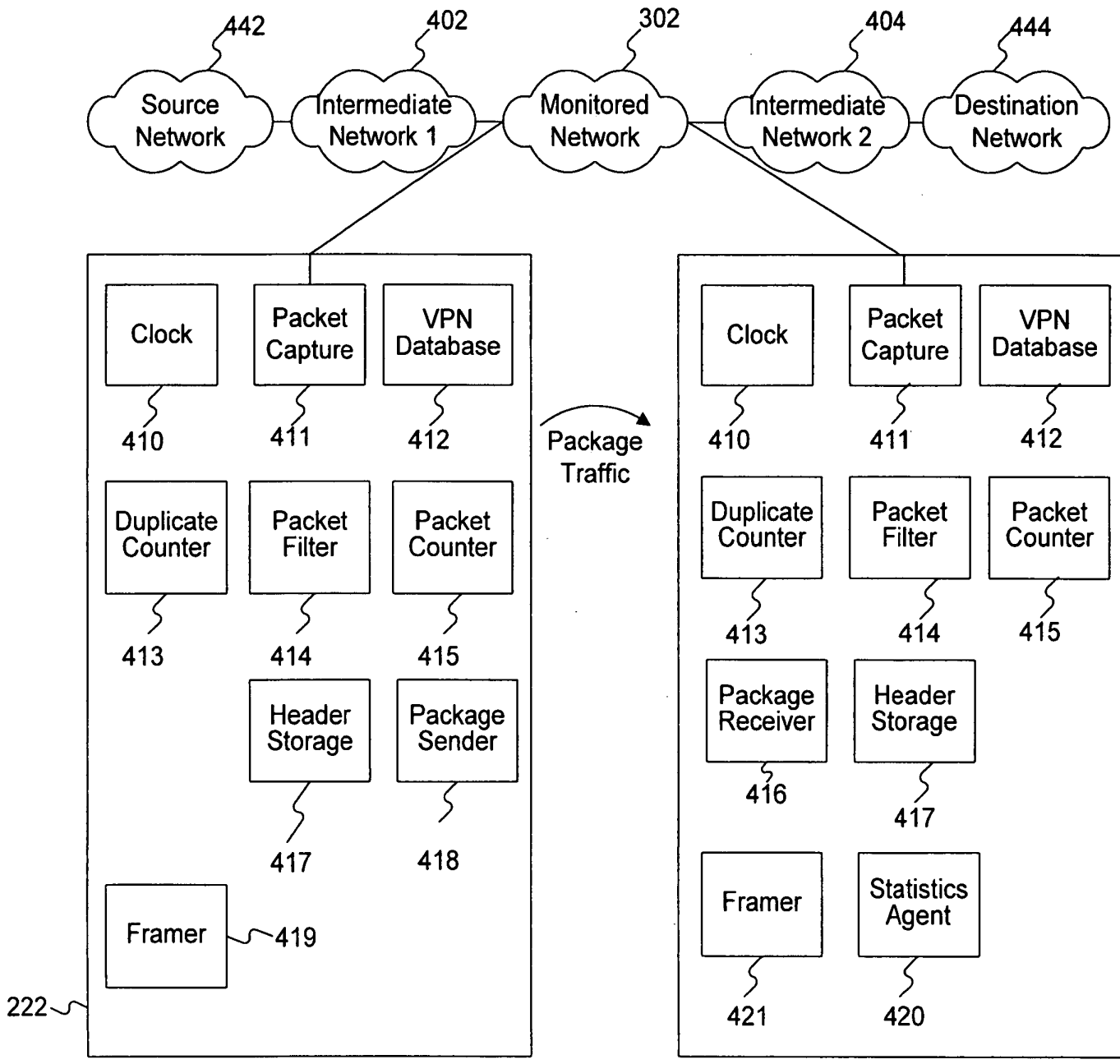
442
402
302
404
444
Source Network
Intermediate Network 1
Monitored Network
Intermediate Network 2
Destination Network
Clock
Packet Capture
VPN Database
410
411
412
Duplicate Counter
Packet Filter
Packet Counter
413
414
415
Header Storage
Package Sender
417
418
Framer
419
222
Package Traffic
Clock
Packet Capture
VPN Database
410
411
412
Duplicate Counter
Packet Filter
Packet Counter
413
414
415
Package Receiver
Header Storage
416
417
Framer
Statistics Agent
421
420
227

FIG. 4

CLASS
SUBCLASS

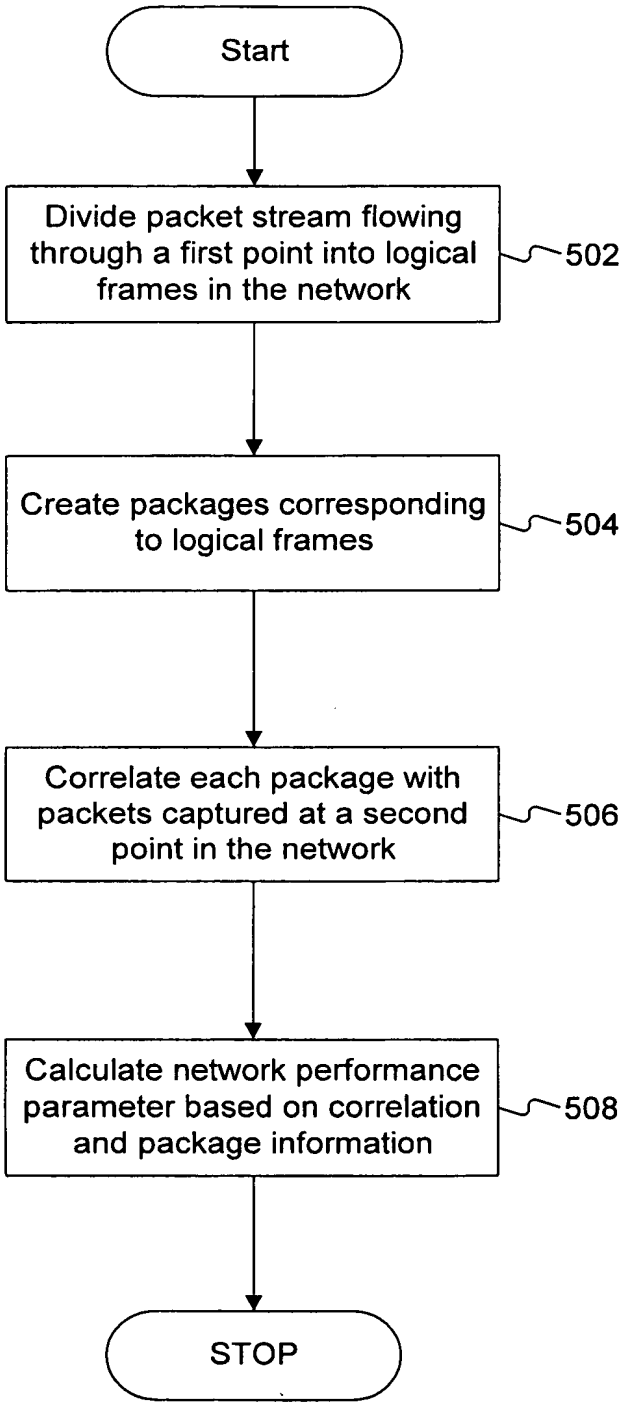

FIG. 5

RECEIVED
CLASS

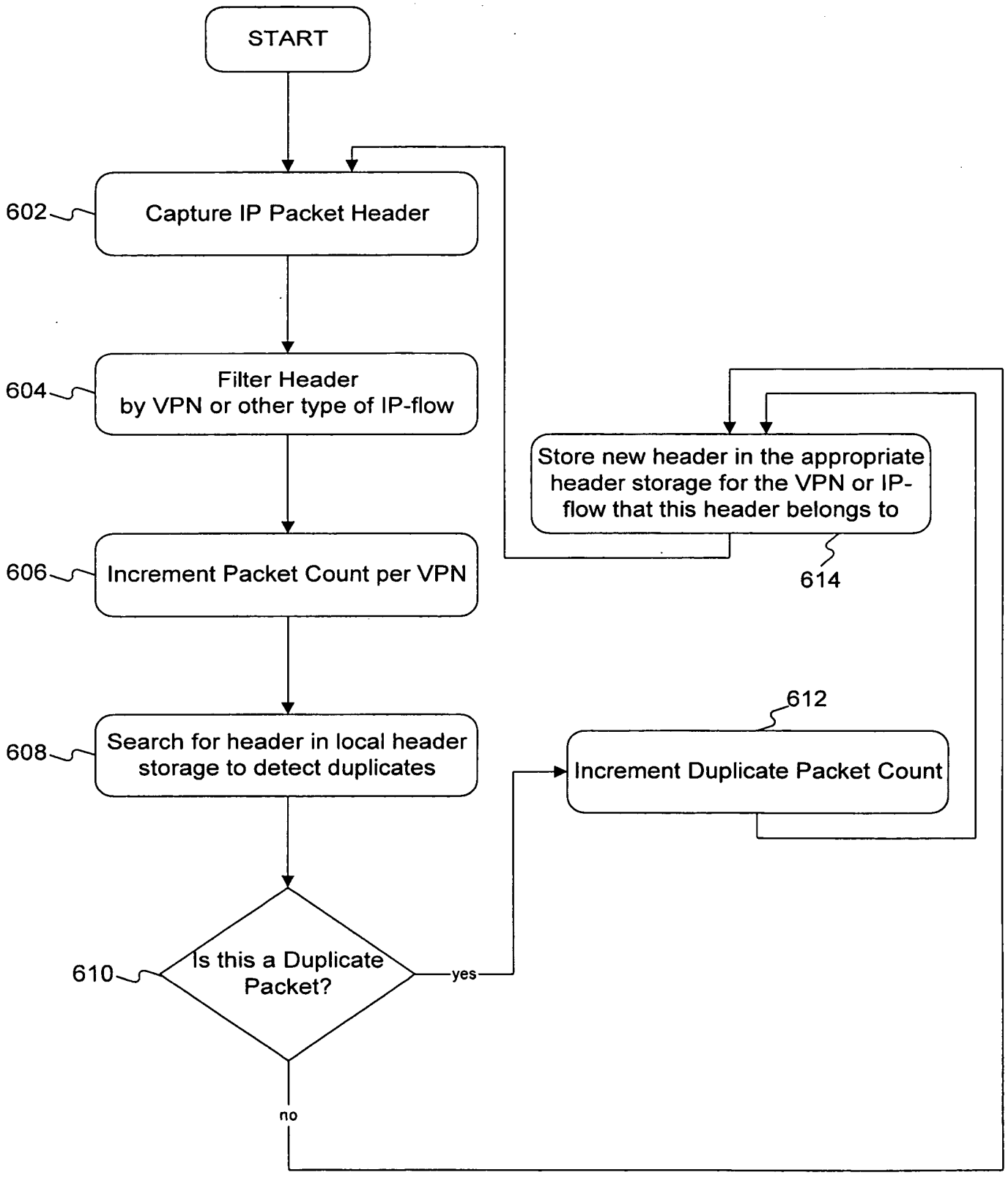

FIG. 6

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

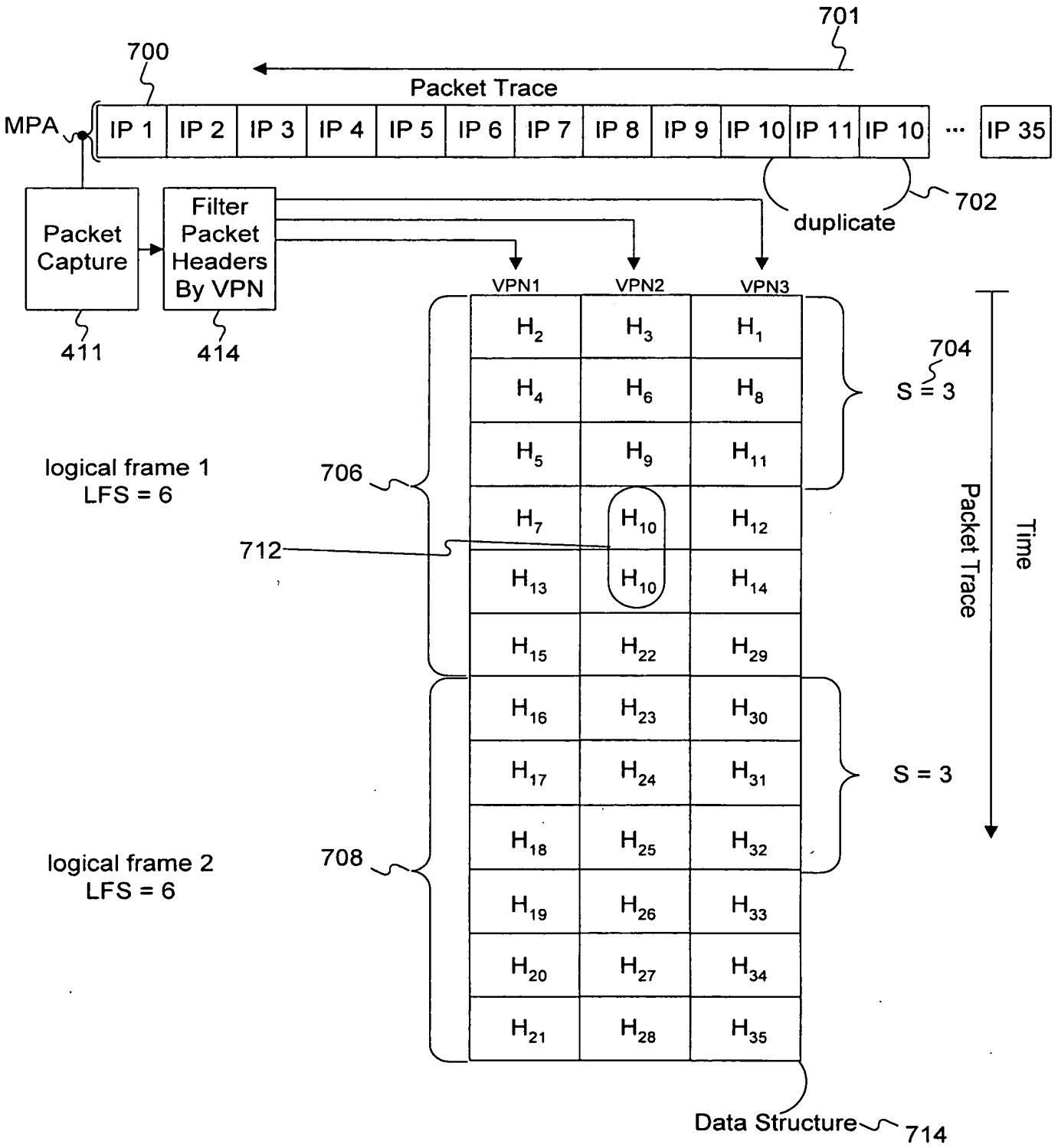

FIG. 7

APPROVED FOR FIG.
CLASS SUBCLASS

0090507 "2005250

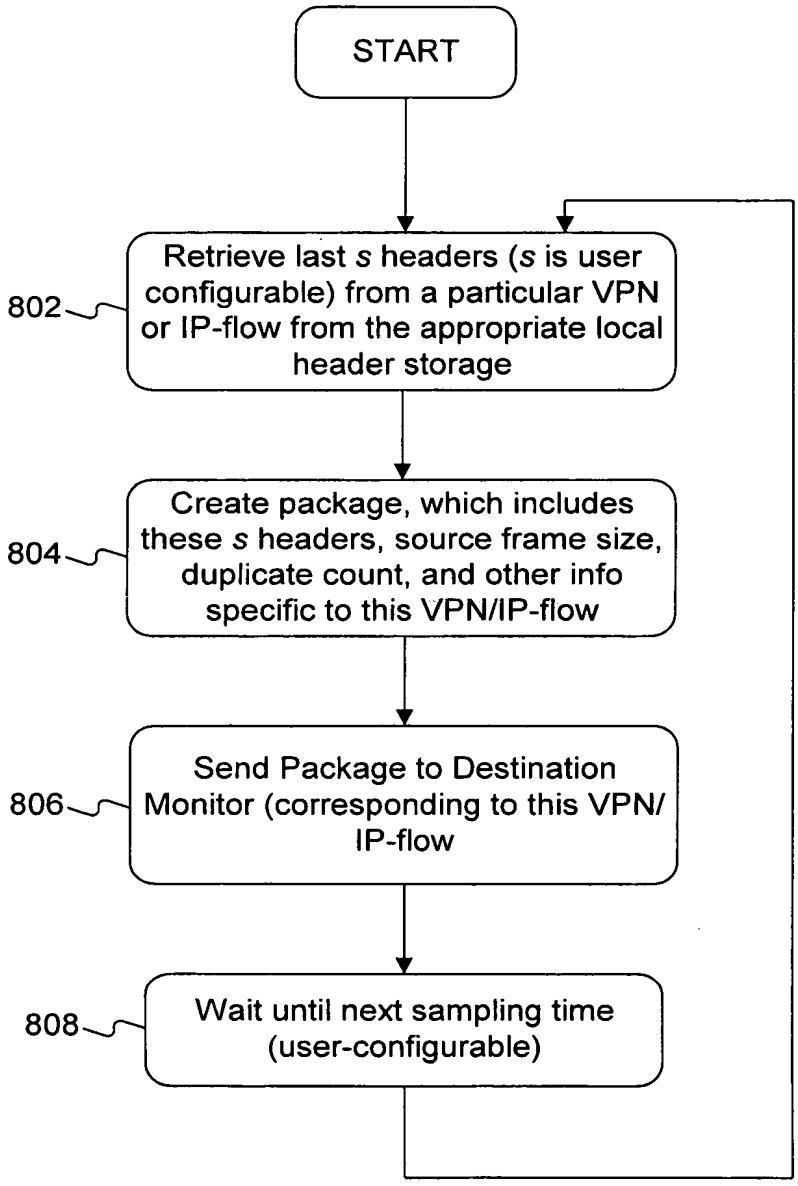

FIG. 8

009250" T2E7S60

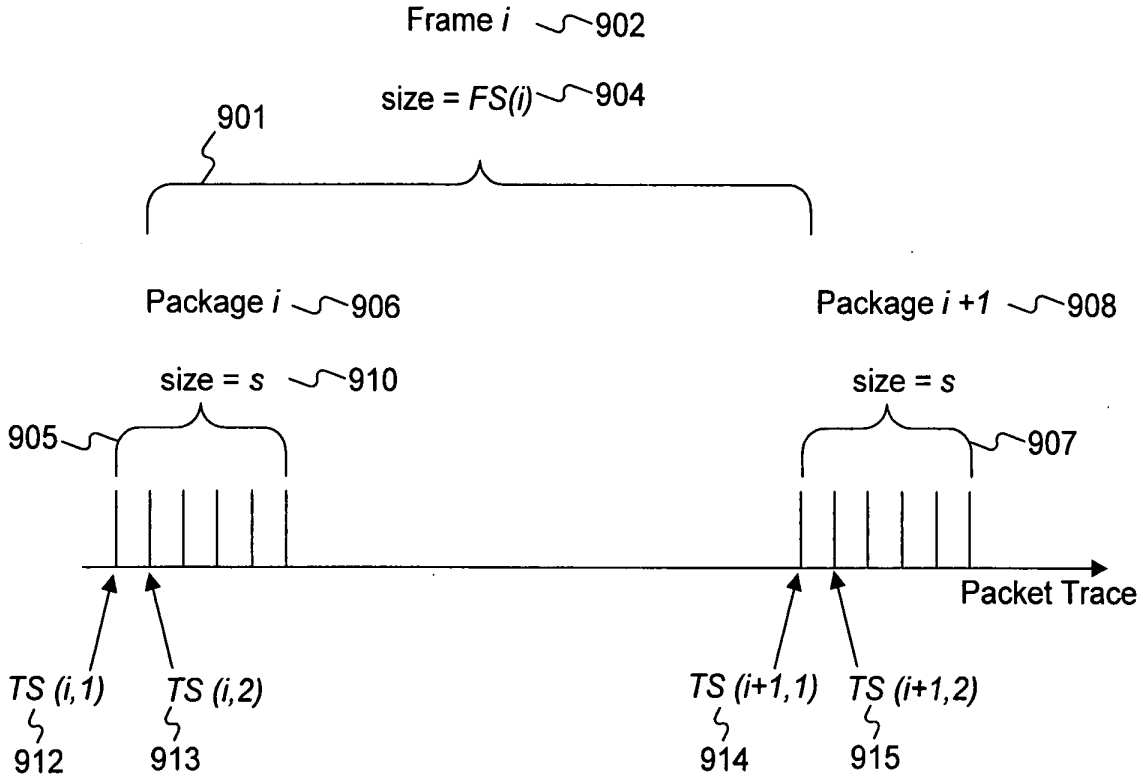

FIG. 9

009250" T7E67560

Package Data Structure

1003	Flow identifier (a numeric value used to index the identifying information for a flow)						
1004	Frame number (for frame preceding the current package)						
1005	Package size (number of packet headers in current package) = *PS*						
1006	Src. addr/port 1	Dest. addr/port 1	IP identifier 1	Frag. flag/offset 1	Time stamp 1	Locally-generated sequence number 1	Running duplicate count 1
1007	Src. addr/port 2	Dest. addr/port 2	IP identifier 2	Frag. flag/offset 2	Time stamp 2	Locally-generated sequence number 2	Running duplicate count 2
1008	Src. addr/port 3	Dest. addr/port 3	IP identifier 2	Frag. flag/offset 3	Time stamp *3*	Locally-generated sequence number 3	Running duplicate count 3
	...	...	...	...	...	...	...
1009	Src. addr/port *PS*	Dest. addr/port *PS*	IP identifier *PS*	Frag. flag/offset *PS*	Time stamp *PS*	Locally-generated sequence number PS	Running duplicate count PS

FIG. 10

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

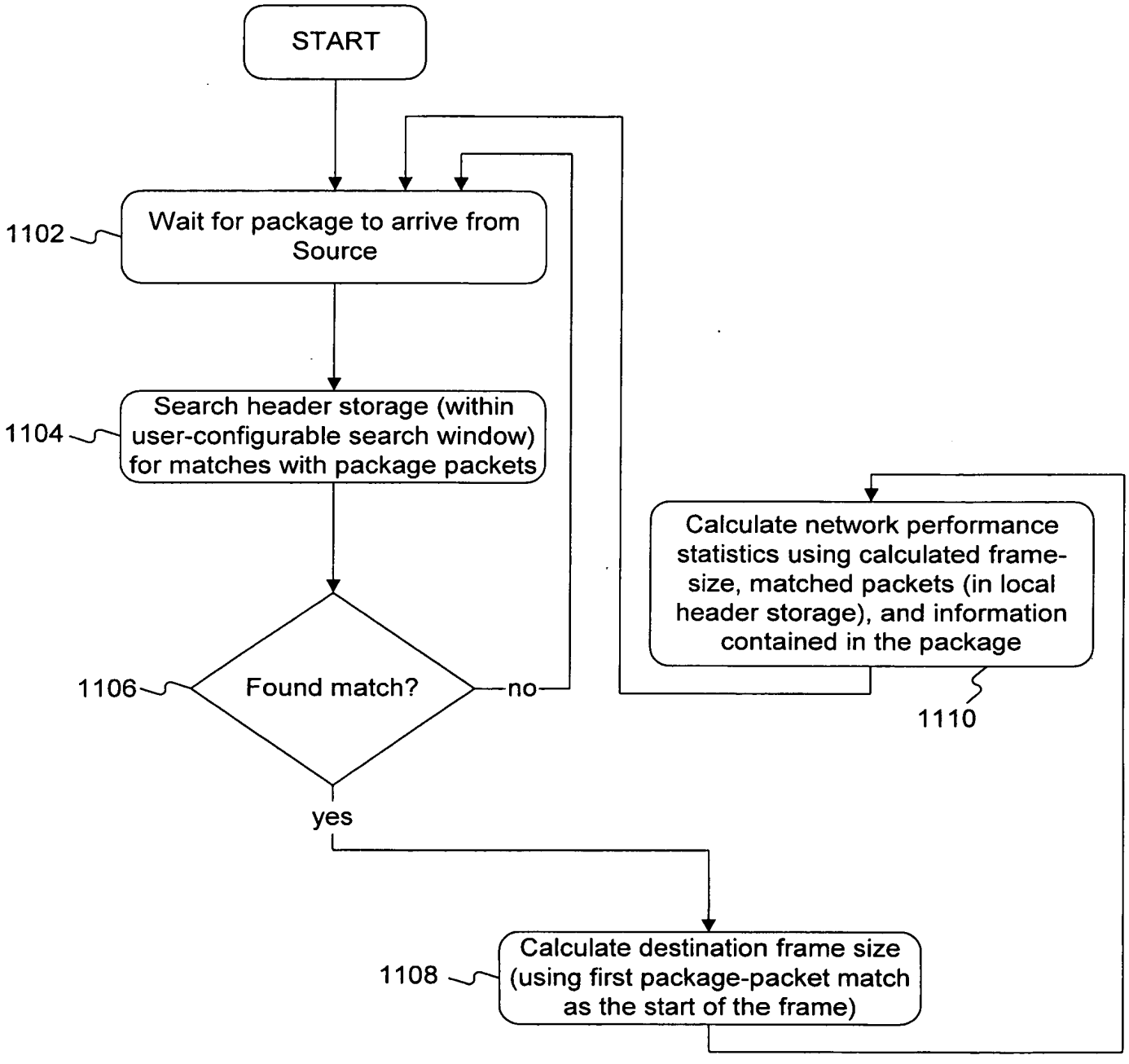

FIG. 11

APPROVED O.G. FIG.
CLASS/SUBCLASS
DRAFTSMAN

Header-Storage Data Structure 1200

1202	Flow identifier (a numeric value used to index the identifying information for a flow)						
1203	Last frame number (frame number for most recently received package)						
1204	Sequence number of packet at beginning of current frame = FB						
1205	Current packet index (following most recent packet) = FC						
1206	Number of duplicate packets since start of previous package						
1207	Src. addr/port *FB*	Dest. addr/port *FB*	IP identifier *FB*	Frag. flag/offset FB	Time stamp *F*	Locally-generated sequence number FB	Running duplicate count FB
1208	Src. addr/port *FB*+1	Dest. addr/port *FB*+1	IP identifier *FB*+1	Frag. flag/offset *FB*+1	Time stamp *F*	Locally-generated sequence number FB+1	Running duplicate count FB+1
1209	Src. addr/port *FB*+2	Dest. addr/port *FB*+2	IP identifier *FB*+2	Frag. flag/offset *FB*+2	Time stamp *F*	Locally-generated sequence number FB+2	Running duplicate count FB+2
1210	...	...	...	...	...	...	...
1211	Src. addr/port *FC-1*	Dest. addr/port *FC-1*	IP identifier *FC*-1	Frag. flag/offset *FC-1*	Time stamp *F*	Locally-generated sequence number FC-1	Running duplicate count FC-1

FIG. 12

009250 "T2E67560

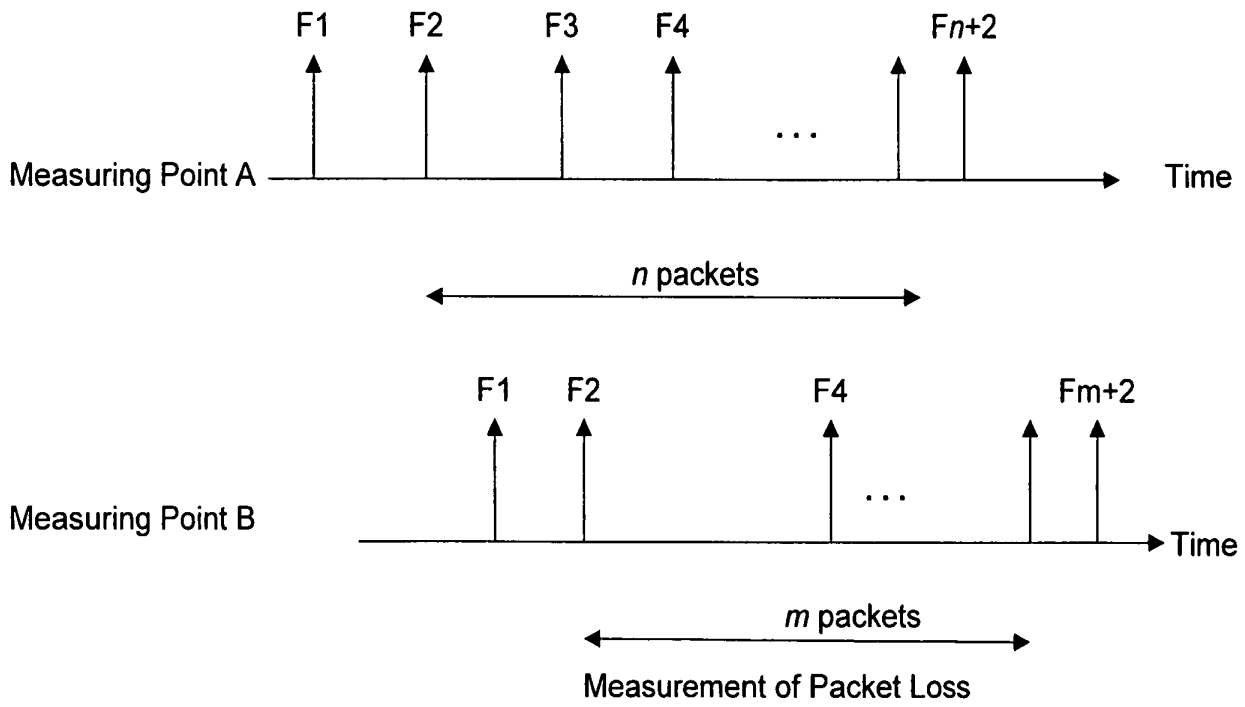

FIG. 13